

I claim:

1. An inflatable water sports board, comprising:

an upper panel;

a lower panel substantially facing said upper panel, wherein said upper panel

5 and said lower panel have a front portion even with the rest of said upper panel and
said lower panel;

a sidewall, wherein said upper panel, said lower panel and said sidewall

enclose an air chamber; and

10 a plurality of thread supports between said upper panel and said lower panel
throughout said air chamber.

2. An inflatable water sports board as in claim 1, wherein:

15 at least one of said upper panel and said lower panel is at least partially
substantially planar.

3. An inflatable water sports board as in claim 1, wherein:

20 at least one of said upper panel and said lower panel is at least partially
curved.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

Page: 18

- SAC*
4. An inflatable water sports board as in claim 1, wherein:
- said upper panel is flexible and has an upper panel perimeter;
- said lower panel is flexible, has a lower panel perimeter, and is adjacent said upper panel;
- 5 said sidewall has an upper lengthwise perimeter and a lower lengthwise perimeter, said upper lengthwise perimeter overlapping and adherent to said upper panel perimeter, said lower lengthwise perimeter overlapping and adherent to said lower panel perimeter; and
- each of said plurality of thread supports intersects an upper point of said upper panel and an adjacent lower point of said lower panel, wherein each of said plurality of thread supports has a length between said upper point and said lower point, wherein each said upper point is separated from each said lower point by a distance, wherein said distance is upwardly limited by said length of each of said plurality of thread supports, wherein said upper panel and said lower panel are substantially rigidified by air pressure in said chamber being greater than air pressure outside said chamber.

5. An inflatable water sports board as in claim 1, wherein:
- said lower panel has substantially the same dimensions as said upper panel.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

- 100
105
110
115
120
125
130
135
140
145
150
155
6. An inflatable water sports board as in claim 1, wherein:
at least one of said upper panel and said lower panel is approximately rectangular.
- 5
7. An inflatable water sports board as in claim 1, wherein:
at least one of said upper panel and said lower panel is approximately elliptical.
8. An inflatable water sports board as in claim 1, wherein:
at least a portion of at least one of said upper panel, said lower panel, and said sidewall, has at least one other layer of flexible material applied thereto.
9. An inflatable water sports board as in claim 1, wherein:
said upper panel and said lower panel are substantially parallel.
10. An inflatable water sports board as in claim 1, wherein:
at least one of said upper panel, said lower panel, and said sidewall, comprises polyvinyl chloride (PVC).

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

Page: 20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
11. An inflatable water sports board as in claim 1, wherein:
- at least one of said upper panel, said lower panel, and said sidewall, comprises polyurethane.
- 5
12. An inflatable water sports board as in claim 1, wherein:
- at least one of said upper panel, said lower panel, and said sidewall, comprises HYPALON®.
- 10
13. An inflatable water sports board as in claim 1, wherein:
- when air pressure in said chamber is in a range from approximately ten pounds per square inch (10 p.s.i.) to approximately fifteen pounds per square inch (15 p.s.i.), said board substantially maintains its shape when an adult person is upon it, yet said upper panel and lower panel and sidewall remain sufficiently elastic such that said board is little likely to cause injury by impact.
- 15
14. An inflatable water sports board as in claim 1, wherein:
- said plurality of thread supports comprises drop stitches.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

Page: 21

- 10
15
15. An inflatable water sports board as in claim 1, wherein:
said plurality of thread supports comprises nylon.
- 5
16. An inflatable water sports board as in claim 1, further comprising:
a tail portion having a swallow-tail shape.
17. An inflatable water sports board as in claim 1, further comprising:
a leash.
18. An inflatable water sports board as in claim 1, further comprising:
at least one fin.
19. An inflatable water sports board as in claim 1, further comprising:
at least one handle.
20. An inflatable water sports board as in claim 1, further comprising:
a UV-protective substance.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

21. An inflatable water sports board as in claim 1, wherein:

said board is in the style of a body board.

22. An inflatable water sports board as in claim 1, wherein:

5 said board is in the style of a surfboard.

23. An inflatable water sports board as in claim 1, further comprising:

at least one pouch.

10 24. An inflatable water sports board as in claim 1, further comprising:

a canister for inflating said board.

15 25. An inflatable water sports board as in claim 1, further comprising:

a window in said upper panel and said lower panel.

26. An inflatable water sports board as in claim 25, wherein:

said window comprises translucent polymer.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

Page: 23

27. An inflatable water sports board as in claim 1, further comprising:
an inflation port.

5
28. An inflatable water sports board as in claim 27, wherein:
said inflation port is in said upper panel.

10
29. An inflatable water sports board as in claim 1, further comprising:
one or more water-cutting edges.

30. An inflatable water sports board as in claim 29, wherein:
at least one of said one or more water-cutting edges comprises polymer.

15
31. An inflatable water sports board as in claim 29, further comprising:
at least one fin, wherein each of said one or more water-cutting edges is
integral with at least one of said at least one fin.

Applicant: Jim Weir

Invention: "Inflatable Water Sports Board"

Page: 24